



8 October 1865. $M = 6.5$ (95% confidence range 6.2-6.8) shock located to the north of the 1989 Loma Prieta earthquake. Two scenarios: A) a 25-km-long thrust on the Monte Vista fault system. Depth extent = 14 km and mean slip = 0.6 m. B) a 33-km-long strike slip rupture on the section of the San Andreas fault to the north of the Loma Prieta rupture. Depth extent = 10 km and mean slip = 0.6 m. The scenario rupture does not cross the Grizzly Flat trench site where Schwartz *et al.* (1999) found no distinct evidence for 1865 slip.